

WORLD'S WIDEST RANGE OF POST HARVEST SOLUTIONS



ISO 9001 : 2008
ISO 14001 : 2004
OHSAS
18001 : 2007
IS 18001 : 2007
SA 8000 : 2008
CE

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“Agrosaw is Transforming
Knowledge & Technology
into useful Products & Services
for the Post Harvest Industry”

Sanjeev Sagar
Managing Director

 **AGROSAW** TM

About Agrosaw

Agrosaw, founded in 1984, is one of India's foremost manufacturers of cleaning, grading, sorting & handling equipment for seeds, grains, spices, pulses, oil seeds, fruits and vegetables. With its three manufacturing units at Ambala Cantt. and Saha, it has the manufacturing capability to produce world class machines with its state-of-the-art facilities.


With the World's Largest range of Post Harvest equipment, the company exports to most of the developed world. Currently Agrosaw has over 5000 plants operational in over 60 countries.

An ISO 9001:2008 / ISO 14001:2004 / OHSAS 18001:2007 / IS 18001:2000 / SA 8000:2001 / CE certified company, Agrosaw believes in establishing and maintaining the highest standards of quality, integrity and work ethics.





Business Collaborations and Strategic Alliances

Agrosaw's business collaborations

 **Damas** Grain and Seed cleaning & handling machines
DENMARK

 **NoroGard** Seed Treatment & Coating machines
SWEDEN

 **LARAJ** Grain storage silos & seed / grain dryers
POLAND

 **BMC ENGINEERING Limited** Fruits & Vegetables cleaning, grading & sorting machines (mechanical)
NEW ZEALAND

 **Tecnofruta** Electronic lines for Fruits & Vegetables cleaning, grading, sorting & packing
SPAIN

International Representation

 **KONGSKILDE** Suction blowers & Aspirators for seeds and grains
DENMARK





Seeds, Grains, Rice, Spices, Pulses & Oil Seeds Equipment Division

Agrosaw is technologically amongst the finest in the world for post harvest equipment /solutions related to cleaning,grading,sorting,handling and storing of seeds,grains,spices,pulses and oil seeds. With the quality and wide range of machines / equipment provided, it offers specialized solutions for post harvest operations of wheat, barley, paddy, grams, maize, pulses, forestry seeds,vegetable seeds,grass seeds,flower seeds,spices,oil seeds etc.

Products

- Pre-Cleaners
- Fine Cleaners / Seed Grader
- Gravity Separators
- Indented Cylinders
- De-Stoners
- Suction Blowers
- Aspirators
- Seed Treators & Coaters
- Dryers
- Silos
- Mobile Plants
- Handling & Bagging Equipment

Industries served

- Seed Industry
- Breweries
- Grain Industry
- Oil Industry
- Pulse Industry
- Flour Mills
- Spice Industry
- Rice Mills
- Coffee Industry
- Feed Mills



Horticulture Division

Agrosaw has a wide range of Post-harvest equipment for Fruit & Vegetables:

1. Plants for cleaning,grading and sorting of round fruits like tomato,apple, orange,kinnow,acid lime,sweet lime,amla
2. Plants for sorting and grading of vegetable like potato, onion, garlic, beetroot,capsicum
3. Plants for sorting & grading of long vegetable like carrot, raddish, cucumber,ladies finger,brinjal etc.

Various combinations of the following machines are used to build complete plants:

- | | |
|--|--------------------------------|
| • Washing-Sponging-
Waxing Sections | • Screen Sizers |
| • Drying Sections | • Weighers & Baggers |
| • Size Graders | • Mobile Grading Plants |
| • Apple Graders | • Bin Fillers |
| • Length Graders | • Onion Toppers |
| • Lift Roller Sizers | • Polisher |
| | • Feeding cum Sorting conveyor |



Turn Key Projects

Agrosaw's is capable of designing, manufacturing, supplying, erecting and commissioning individual machines as complete plants for cleaning, grading and handling of seeds, grains, spices, pulses, oil seeds, fruits and vegetables on turn-key basis.

In Turnkey solutions Agrosaw undertakes:

- Designing of plants to ensure best efficiency levels
- Customizing, manufacturing and supplying of complete plants within the committed time period
- Installation, commissioning and maintenance
- Providing after sale maintenance contract

Agrosaw's key competency lies in the ability to build plants and machines, in accordance with the requirements of the customer.

At any time should there be any urgent requirement of spares or maintenance, Agrosaw's team is available to resolve the issue.

Agrosaw also provides expertise in plant **automation** as per requirements of the customer.



Installing, Commissioning & Training

Agrosaw provides complete installation & commissioning services to its customers. The service can be on purely supervision basis whereby Agrosaw engineers supervise the customer's installation/commissioning team. Or the services can be entirely on turnkey basis where Agrosaw undertakes the complete responsibility for execution, including provision of labour & material. These services include:-

- Civil foundation for the equipment
- Assembly and erection of machines
- Providing electrical connections to the equipment from mains panel using required cable size
- Trial / Demo of the machine / plant after installation

Agrosaw serves its customers worldwide, through well qualified & trained installation teams.

Training

Agrosaw provides complete training to its customer's staff for proper operation and maintenance of the installed machines / plants at the time of commissioning. Agrosaw also organizes in house trainings for the customer's staff to augment their technical know-how about the machines/plants and its operation.



Sample Testing

Agrosaw's Lab is well equipped to provide free sample testing facility to ascertain suitability of machines for handling a particular crop. Laboratory seed cleaner is used to determine the required perforation size for a particular crop. The percentage of impurity present in the material is determined with the help of these machines.

Quality Spare Parts

Agrosaw provides quality spares for the upkeep of its machines / plants and also the technical expertise to maintain them. A full fledged department is dedicated for catering to the customer's requirement of spare parts. The service is rendered throughout India and abroad wherever Agrosaw machines / plants are in use.

AMC

Agrosaw provides AMC (annual maintenance contract) schemes on demand, to its customers.

Customer Care

Agrosaw has a customer care cell for any assistance required by its customers at any time. This cell coordinates between the customer & the technical staff of the company to provide any service required by the customer.

Customer care :

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Spare Parts

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Installation, Commissioning & After Sales

M : +91 9416027008, 9415627045, installation@agrosaw.com

Sales & Marketing

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Automation

Agrosaw provides automation facility for individual machines as well as for complete plants.

Agrosaw provides Feed Controls & Air Controls which are operated electrically as well as through PLCs. These controls can be integrated in a Touch Screen / HMI Panel reducing the need for human intervention in machine controls.

Recipe Management (Feed / Air Control combinations for different types of crops) can be achieved easily through HMI.

Elevator Distribution Valves (2 way valve and 3 way valve) can also be automated through PLCs, depending on the customers requirement.

The concept can be extended to full plant with SCADA (Supervisory Control And Data Acquisition) implementation.

Agrosaw integrates the controls of individual machines in a given plant with PLC to fully automate plant operations & also provides facility for monitoring of various parameters of machines through HMI and SCADA.

Agrosaw provides Mimic type control panels to give run time view of the complete plant.

Agrosaw provides Remote Control for machines / plants using the RF technology.

Machines like Automated Bagging machines, Weight based fruit graders and Automated bag counting machines are available.

Infrastructure

Design

At Agrosaw, the design team continuously works to upgrade the existing products incorporating the latest innovations in manufacturing. The team is equipped to design machines on state-of-the-art design softwares like Autodesk Inventor, Auto CAD and SolidWorks etc.

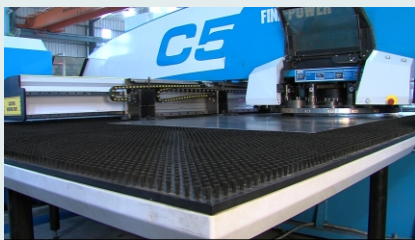
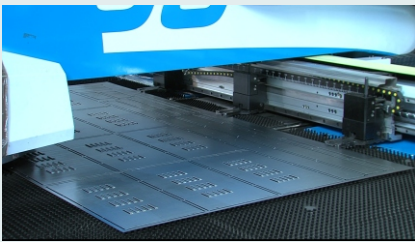
Regular training is provided to design engineers in order to enhance their skill set.

The team also incorporates customer feedback to improve designs and performance of machines.

Development

At Agrosaw, the development team is equipped to develop new products & plants for existing as well as new functional applications. Armed with professional expertise and thoroughness, it has some of the most experienced engineers and designers working to build latest machines.

After a new machine is developed it is extensively tested on the product. Based on the learnings from testing, the product is further modified to fulfill the desired objective and improve its efficiency. On completion of the total development work, the machine / product is handed over to the production team along with its comprehensive documentation.



Manufacturing facilities

Agrosaw has state-of-the-art manufacturing facilities, with the latest machines, to build world class equipment.

The component section is equipped with CNC Machines like CNC Turret Punch Press, CNC Press Brake and NC Shearing machines.

Company's tool room has Universal Milling Machine, Dynamic Blower Balancing Machine, Power Press, Automatic Shaft Grinding Machine, Shaft Straightening Machine, Nibbling Machine & Lathe Machine.

Fabrication Tables are used for precision fabrication using MIG welding, TIG welding & Spot welding.

Agrosaw continuously strives to upgrade its production facilities for ever higher levels of precision and accuracy.

Quality Assurance

Agrosaw has developed rigorous quality assurance systems meeting the requirement of international standards.

Checks are built in at every stage of product realization including purchasing, incoming quality, in process quality & final quality.

All materials entering the factory are checked at the IQC (Incoming Quality Control) section, which is equipped with sophisticated instruments. Each completed machine undergoes stringent finished quality control checks and inspections, at the FQC (Final Quality Control), before it is dispatched to the customer.



International Certifications & Registrations

ISO 9001: 2008

ISO 14001: 2004

ISO OHSAS 18001: 2007

CE Certification

SA 8000: 2008

An esteemed member of EEP, CII, NSAI, APSA

Global Presence

Agrosaw supplies its product range to over 60 countries, including most of the developed world. Currently it has more than 5200 plants operational across the globe.



TRINIDAD
SURINAM
NETHERLAND
ENGLAND
SUNNA
GERMANY
FRANCE
ITALY
KOSOVO
UKRAINE
ARMENI
GREECEA
TURKEY
AJARBAIAN
RUSSIA

UZBEKISTAN
CYPRUS
NIGERIA
BURKINO FASO
MONROVIA (LIBERIA)
GHANA
SYRIA
ISRAEL
IRAQ
JEDDAH
KUWAIT
JORDANT
AFGHANISTAN
IRAN
DUBAI

ERITERIA
SUDAN
UGANDA
JAMAICA
BOTSWANA
TANZANIA
YEMEN
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